

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P81815PC00CF	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/04323	International filing date (day/month/year) 07/10/2003	(Earliest) Priority Date (day/month/year) 22/10/2002
Applicant PANDROL LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to any **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

In a method of attaching a steel railway rail support (baseplate or sleeper) (2) to a ductile iron rail clip anchoring device (1) a boss (11), extending from the bottom of a body (10) of the anchoring device (1), is inserted into a hole (20) passing through the support (2) at a location on its surface (2a) at which the anchoring device (1) is to be attached until the anchoring device body (10) abuts the support surface (2a). The steel around the hole (20) in a region on the support surface (2b) opposite to that on which the anchoring device body (10) is located is compressed while the anchoring device (1) is held in place, so that the compressed steel flows plastically against the boss (11) within the hole (12), until the force applied to the boss (11) brings about elongation thereof, whereby the boss (11) undergoes an elastic set which clamps the boss (11) to the support (2).

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E01B9/40 F16B37/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E01B F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CH 319 878 A (RIEDENER FRANZ DR) 15 March 1957 (1957-03-15) page 1, line 1 -page 1, line 6 page 1, line 29 -page 1, line 48 page 2, line 55 -page 2, line 77 figures 1,2 ---	1,5,10, 12,16,20
A	DE 35 19 914 A (RAILBOUW BV) 12 December 1985 (1985-12-12) page 7, paragraph 4 -page 8, paragraph 1 figures 1-6 ---	1,8,11, 12,16,21
A	JP 55 081901 A (TETSUDOU KIZAI KOGYO KK) 20 June 1980 (1980-06-20) figures 1-5 ---	12-14, 16-18,20
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

8 January 2004

Date of mailing of the international search report

15/01/2004

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3.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 101 08 189 A (DAIMLER CHRYSLER AG) 12 September 2002 (2002-09-12) claim 1; figures 1-3 ---	1-3,5,7
A	US 6 220 804 B1 (PAMER W RICHARD ET AL) 24 April 2001 (2001-04-24) claim 1; figures 5,6 -----	1,9

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 319878	A	15-03-1957	NONE	
DE 3519914	A	12-12-1985	NL 8401838 A DE 3519914 A1	02-01-1986 12-12-1985
JP 55081901	A	20-06-1980	NONE	
DE 10108189	A	12-09-2002	DE 10108189 A1	12-09-2002
US 6220804	B1	24-04-2001	US 2002172573 A1 US 2001010789 A1	21-11-2002 02-08-2001